

Specification

Page 7, paragraph extending from lines 1-12:

Several types of ferrofluids are provided by Ferrotec (USA) Corporation of Nashua, New Hampshire. A summary of patents related to the preparation of ferrofluids is provided in Patent No. 6,056,889, while the use of ferrofluid bearings in a sliding magnet electrical generator is discussed in copending Patent Application Serial No. 10/078,724, entitled "Electrical Generator With Ferrofluid Bearings", filed on the same day as the present invention by applicants Jeffrey T. Cheung and Hao Xin, and also assigned to Innovative Technology Licensing, LLC, the assignee of the present invention. The contents of this copending application are hereby incorporated herein by reference.

Page 8, paragraph extending from lines 1-20:

A preferred ferrofluid composition for the present invention has a viscosity substantially less than 5 cp, actually less than 2 cp, and achieves an ultra low coefficient of static friction in the range of 0.0008-0.0012. This is sensitive enough for a magnet on a beam to begin sliding when the beam is tilted only about 0.07 degrees off horizontal. This and other suitable ferrofluid compositions are discussed in copending Patent Application Serial No. 10/078,132, entitled "Mechanical Translator With Ultra Low Friction Ferrofluid Bearings", filed on the same day as the present invention by applicant Jeffrey T. Cheung, and also assigned to Innovative Technology Licensing, LLC, the assignee of the present invention, the contents of which application are hereby incorporated herein by reference. The composition comprises a

mixture of one part Ferrotec (USA) Corporation EFH1 light mineral oil ferrofluid, mixed with from two to four parts of isoparaffinic acid, stirred for 24 hours. Suitable sources of isoparaffinic acid are Isopar G and Isopar M hydrocarbon fluids from ExxonMobil Chemical Corp.